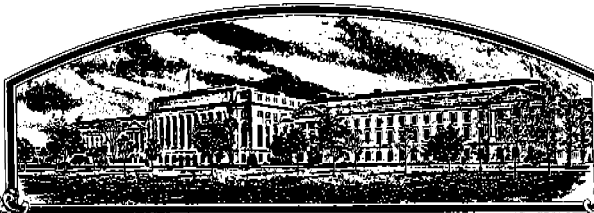


No.

6200089



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

## Northrup King Co.

Whereas, THERE HAS BEEN PRESENTED TO THE

**Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF **LAW** IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE **RECORDS OF THE PLANT VARIETY PROTECTION OFFICE**, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND **WHEREAS**, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) **IS (ARE)** ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE **LAW**.

**NOW**, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY **LAW**, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE **PLANT VARIETY PROTECTION ACT** 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

MUSKMELON

'Marathon'



*Attest*  
*Kenneth H.*  
Acting  
Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*In Testimony Whereof, I have hereunto set  
my hand and caused the seal of the Plant  
Variety Protection Office to be affixed  
at the City of Washington  
this 28th day of April in  
the year of our Lord one thousand nine  
hundred and eighty-three.*

*John R. Block*  
Secretary of Agriculture

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

FORM APPROVED  
OMB NO. 40-R3822

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1a. TEMPORARY DESIGNATION OF VARIETY <b>NKX 900</b>		1b. VARIETY NAME <b>MARATHON R/S</b>		FOR OFFICIAL USE ONLY PV NUMBER <b>8200089</b>	
2. KIND NAME <b>Muskmelon</b>		3. GENUS AND SPECIES NAME <b>Cucumis melo L.</b>		FILING DATE <b>4/5/82</b>	TIME A.M. <b>11:45 P.M.</b>
4. FAMILY NAME (BOTANICAL) <b>Cucurbitaceae</b>		5. DATE OF DETERMINATION <b>January 1980</b>		FEE RECEIVED <b>\$ 500.00</b>	DATE <b>4/5/82</b>
6. NAME OF APPLICANT(S) <b>Northrup King Co.</b>		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) <b>1500 Jackson St. N.E. P. O. Box 959 Minneapolis, MN 55440</b>		8. TELEPHONE AREA CODE AND NUMBER <b>612-781-5305</b>	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) <b>Corporation</b>		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION <b>Delaware</b>		11. DATE OF INCORPORATION <b>1896</b>	

12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS:

Robert W. Romig  
(address as above)

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☒ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☒ 13B. Exhibit B, Novelty Statement.
- ☒ 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- ☒ 13D. Exhibit D, Additional Description of the Variety.

14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A GLASS OF CERTIFIED SEE D? (See Section 83(a). (If "Yes," answer 14B and 14C below.) ☐ YES ☒ NO

14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? ☐ YES ☐ NO

14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? ☐ YES ☒ NO (If "Yes," give name of countries and dates.) **R/S 4/26/82**

15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? ☐ YES ☒ NO (If "Yes," give name of countries and dates.)

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? ☒ YES ☐ NO

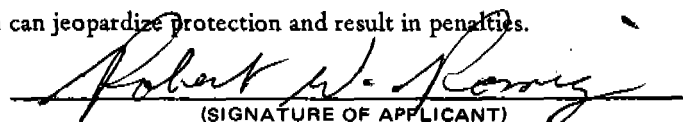
17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

**3/31/82**

(DATE)

  
(SIGNATURE OF APPLICANT)  
Robert W. Romig

1

(DATE)

(SIGNATURE OF APPLICANT)

## INSTRUCTIONS

**GENERAL:** Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

### ITEM

- 5 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a Give: (1) the genealogy, including public and **commercial** varieties, lines, or clones used, and the breeding **method**; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of **uniformity** and stability.
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- 14a If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety **has either** been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.



8200089

## Exhibit A

### Origin and Breeding History of the Variety

#### 'MARATHON'

1. **KNKX 900** originated from a hand-pollinated cross of the public variety **"Perlita"** and a Northrup King breeding line designated **"Ribless #3."** The origin of **"Ribless #3"** is obscure but it is believed to be a **ribless**, sutureless selection out of commercial PMR 45. The cross was made in 1973.
2. Selfing along with selection for the absence of sutures and resistance to powdery mildew, Race 1, was carried through to the **F<sub>5</sub>** generation. Uniformity within and among progeny rows was achieved at the **F<sub>4</sub>** generation.
3. **Five F<sub>5</sub>** lines which appeared uniform for all traits were bulked after the 1979 growing season.
4. In 1980 the **F<sub>5</sub>** bulk was increased and reselected for fruit shape under screen isolation in **Yuma**, Arizona. This increase comprises the original breeder and foundation seed of **NKX 900**.
5. In the spring of 1981, a two-acre stockseed increase was grown in Yuma, Arizona. The population of plants and fruits in this increase showed excellent uniformity. A **growout** of this crop has confirmed uniformity.
6. Stability is indicated by the fact that the variety has not changed appreciably between 1978 and 1981, during which time it has been advanced three generations.

8200089

EXHIBIT A (Addendum)

ORIGIN & BREEDING HISTORY OF THE VARIETY

The muskmelon variety <sup>'MARATHON'</sup>~~NKX900~~ is uniform and stable.  
No variants have been observed during the increase  
and production of the variety- ---



8200089

Exhibit B

Novelty Statement

'Marathon' R/s 3/3/83

CNKX 900 is most similar to the PMR 45 varieties and Top Mark. It resembles PMR 45 in most attributes but differs in fruit appearance because of complete lack of suturing. NKX 900 is sulfur resistant and crown blight resistant, whereas PMR 45 is not. NKX 900 differs from Top Mark in that it matures three days earlier, has resistance to powdery mildew, race 1, and has slightly smaller fruit size.

	Approx . Days to Maturity		Sutures	Shape	Average Fruit Size	Disease Resistance	
16/14/24/10/1 CNKX 900	87		None	Oval	5" x 53"	Powdery Race 1	Mildew,
PMR 45 (ECS Strain)	83		Present	Oval	5½" x 6"	Powdery Race 1	Mildew,
PMR 45 (S12 Strain)	8	7	Present	Oval	5½" x 6"	Powdery Race 1	Mildew,
Top Mark	90		None	oval	5½" x 6"	None	
Planters Jumbo	91		None	Oval	6" x 7"	Downy	Mildew

FORM GR-470-38  
(6-76)U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
GRAIN DIVISION

PAGE 1 OF 3

BELTSVILLE, MARYLAND 20706  
OBJECTIVE DESCRIPTION OF VARIETY  
Muskmelon (*Cucumis melo* L.)

NAME OF APPLICANT(S)

Northrup King Co.

VARIETY NAME OR TEMPORARY DESIGNATION

&lt; NKX 900 &gt; 'MARATHON'

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)

1500 Jackson St. N.E., P.O. Box 959  
Minneapolis, MN 55440

FOR OFFICIAL USE ONLY

PVPO NUMBER

8200089

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g. 

1. TYPE:

1 = PERSIAN 2 = HONEY DEW 3 = CASABA 4 = CRENSHAW 5 = COMMON OR SUMMER  
6 = OTHER \_\_\_\_\_

2. AREA OF BEST ADAPTATION IN U.S.A.

1 = SOUTHEAST 2 = NORTHEAST/NORTHCENTRAL 3 = SOUTHWEST 4 = MOST AREAS

3. MATURITY (FROM SEEDING TO HARVEST):

8	7	
	3	
	4	

DAYS

NO. DAYS EARLIER THAN

NO. DAYS LATER THAN

Top Mark

PMR 45 (ECS

Strain)

c

c

1 = FORDHOOK GEM (EARLY)

2 = DELICIOUS 51 (MIDSEASON)

3 = HONEY DEW (LATE)

4 = OTHER (Specify) \_\_\_\_\_

4. PLANT:

1 = ANDROMONOECIOUS 2 = MONOECIOUS 3 = GYNOECIOUS 4 = OTHER \_\_\_\_\_

1 = VINE 2 = SEMI-BUSH 3 = BUSH

5. LEAF (MATURE BLADE OF THIRD LEAF)

3		
2		
2		
1	0	7
1		

SHAPE: 1 = ORBICULAR 2 = OVATE 3 = RENIFORM

1 = NOT LOBED 2 = SHALLOWLY LOBED 3 = DEEPLY LOBED

1 = LIGHT GREEN (HONEY DEW) 2 = MEDIUM GREEN 3 = DK. GREEN (RIO GOLD)

mm LENGTH

mm WIDTH

SURFACE: 1 = PUBESCENT 2 = GLABROUS 3 = SCABROUS

6. FRUIT (AT EDIBLE MATURITY):

1	4
2	
2	
1	
1	
4	0
2	
3	

gm WEIGHT

NO. RIBS PER FRUIT OBLATE =  RIBS: N/A

SUTURES:

N/A

1 = SMOOTH SHALLOW (GOLDEN 2 = NETTED DELIGHT) 2 = MEDIUM 3 = DEEP (HACKENSACK) 4 = No SUTURES - SEE EXHIBIT D  
4/6/82

3

SHIPPING QUALITY: 1 = POOR (HOME GARDEN) 2 = FAIR (SHORT DISTANCE SHIPPING)  
3 = EXCELLENT (LONG DISTANCE SHIPPING)

FRUIT ABSCISE: 1 = WHEN RIPE 2 = WHEN OVERRIPE 3 = DO NOT ABSCISS

5



NORTHROP KING CO.  
P.O. BOX 999, MINNEAPOLIS, MN 55440

8200089

## Exhibit D

### Additional Description of the Variety

*'MARATHON'* R/3 3/3/83

<NKX 900> Cucumis melo var. reticulatus Naud., has the typical plant type of most well known American cultivars. It is andromonoecious, having an abundance of male flowers borne in clusters at each node and occasional solitary perfect flowers beginning at about the fifth node. The leaf blades are generally reniform, shallowly lobed, and medium green in color. Leaf blade and ovary surfaces are pubescent. Internode length is normal.

Immature fruit are pubescent, uniformly medium green, and not mottled or spotted. When fruits achieve full size netting develops and eventually covers the entire surface. Netting is medium coarse and completely interlaced. There is no evidence of ribbing or sutures either in the immature stage or the mature stage of fruit development. Mature fruit shape is oval. The blossom scar and stem attachments are small (27 mm. and 15 mm, respectively).

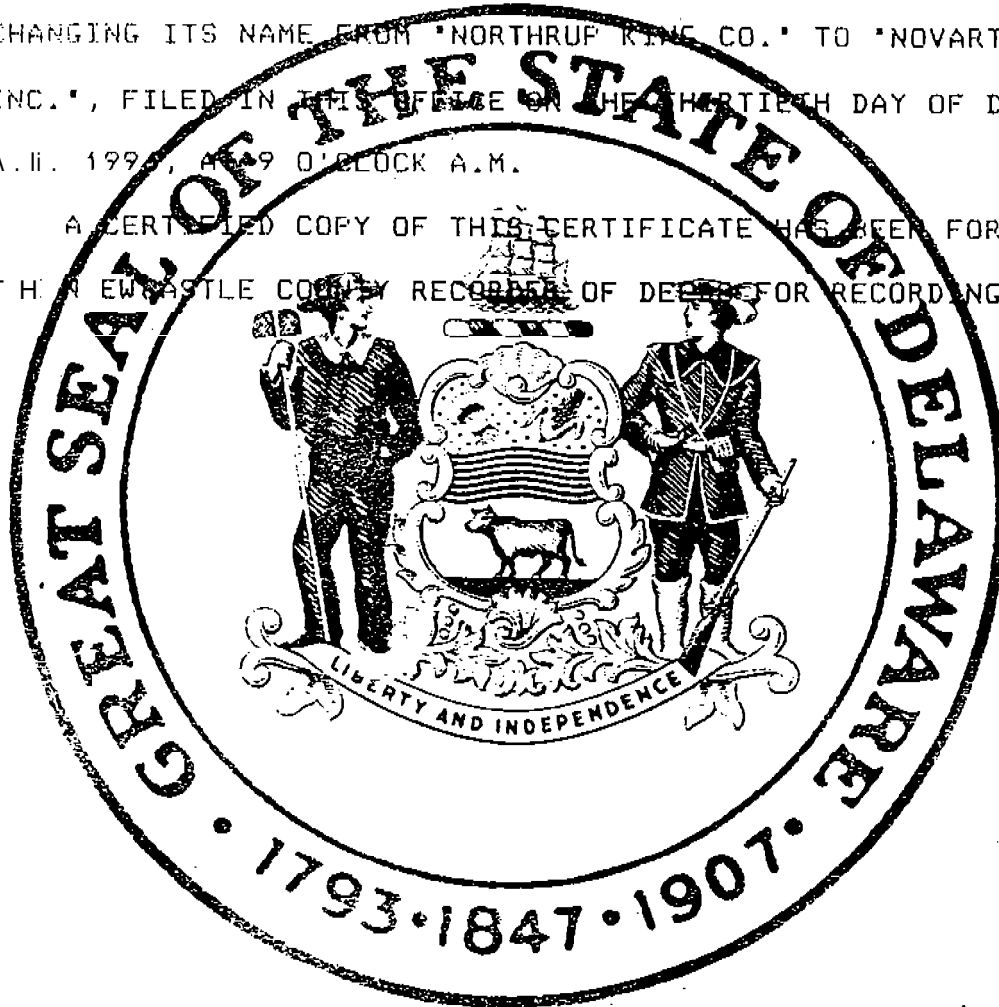
The fruit abscises (slips) from its peduncle as maturity approaches, indicating that it is ready to harvest. Full eating ripeness is not reached until sometime after **abscission** (depending on storage conditions) making NKX 900 an ideal variety for long distance shipping.



Office of *the Secretary of State*

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "NORTHRUP KING CO.", CHANGING ITS NAME FROM "NORTHRUP KING CO." TO "NOVARTIS SEEDS, INC.", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF DECEMBER, A.D. 1996, AT 9 O'CLOCK A.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEWCASTLE COUNTY RECORDS OF DEEDS FOR RECORDING.



Edward J. Freel, Secretary of State

0829320 8100

960389892

AUTHENTICATION:

8267947

DATE:

12-31-96

CERTIFICATE OF AMENDMENT OF CERTIFICATE OF INCORPORATION  
OF  
NORTHROP KING CO.

It is certified that:

1. The name of the corporation (hereinafter called the 'Corporation') is Northrup King Co.

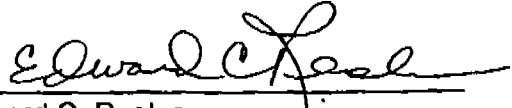
2. The Certificate of Incorporation of the Corporation is hereby amended by striking out Section 1 thereof and by substituting in lieu of said Section the following new Section.

1. The name of the Corporation is **Novartis Seeds, Inc.**

3. The amendment of the certificate of **incorporation** herein certified has been duly adopted and written consent has been given in accordance with the provisions of Sections 228 and 242 of the General Corporation Law of the State of Delaware.

4. The effective date of the amendment herein certified shall be January 1, **1997**.

Signed on December **27, 1996**.

  
Edward C. Resler  
Vice President & Secretary

FORM GR-470-38  
(6-76)U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
GRAIN DIVISION  
BELTSVILLE, MARYLAND 20705  
**OBJECTIVE DESCRIPTION OF VARIETY**  
**Muskmelon (Cucumis melo L.)**

PAGE 1 OF 3

NAME OF APPLICANT(S) <b>Northrup King Co.</b>	VARIETY NAME OR TEMPORARY DESIGNATION <b>&lt; NKX 9007 'MARATHON'</b>
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) <b>1500 Jackson St. N.E., P.O. Box 959 Minneapolis, MN 55440</b>	FOR OFFICIAL USE ONLY PVPO NUMBER <b>8200089</b>

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g.  or  when number is either 99 or less.

1. TYPE:
- |                                |                 |               |            |              |                      |
|--------------------------------|-----------------|---------------|------------|--------------|----------------------|
| <input type="text" value="5"/> | 1 = PERSIAN     | 2 = HONEY DEW | 3 = CASABA | 4 = CRENSHAW | 5 = COMMON OR SUMMER |
|                                | 6 = OTHER _____ |               |            |              |                      |

2. AREA OF BEST ADAPTATION IN U.S.A.
- |                                |               |                            |               |                |
|--------------------------------|---------------|----------------------------|---------------|----------------|
| <input type="text" value="3"/> | 1 = SOUTHEAST | 2 = NORTHEAST/NORTHCENTRAL | 3 = SOUTHWEST | 4 = MOST AREAS |
|--------------------------------|---------------|----------------------------|---------------|----------------|

3. MATURITY (FROM SEEDING TO HARVEST):

<input type="text" value="8"/> <input type="text" value="7"/> <input type="text" value=""/>	DAYS		
<input type="text" value=""/>	NO. DAYS EARLIER THAN	<input type="text" value=""/>	1 = FORDHOOK GEM (EARLY)
<input type="text" value=""/>			2 = DELICIOUS 51 (MIDSEASON)
<input type="text" value="4"/>	NO. DAYS LATER THAN		3 = HONEY DEW (LATE)
			4 = OTHER (Specify) _____

Top Mark  
PMR 45 (ECS Strain) a

4. PLANT:
- |  |                     |                |                |                 |
|--|---------------------|----------------|----------------|-----------------|
| <input type="text" value="1"/><br><input type="text" value="1"/> | 1 = ANDROMONOECIOUS | 2 = MONOECIOUS | 3 = GYNOECIOUS | 4 = OTHER _____ |
|  | 1 = VINE            | 2 = SEMI-BUSH  | 3 = BUSH       |                 |

5. LEAF (MATURE BLADE OF THIRD LEAF)

<input type="text" value="3"/> <input type="text" value="2"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/>	SHAPE: 1 = ORBICULAR 2 = OVATE 3 = RENIFORM
	1 = NOT LOBED 2 = SHALLOWLY LOBED 3 = DEEPLY LOBED
	1 = LIGHT GREEN (HONEY DEW) 2 = MEDIUM GREEN 3 = DK. GREEN (RIO GOLD)
<input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="7"/>	mm LENGTH
<input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="8"/>	mm WIDTH
<input type="text" value="1"/>	SURFACE: 1 = PUBESCENT 2 = GLABROUS 3 = SCABROUS

6. FRUIT (AT EDIBLE MATURITY):

<input type="text" value="1"/> <input type="text" value="4"/>	cm LENGTH	<input type="text" value="1"/> <input type="text" value="2"/>	cm DIAMETER	<input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="5"/> <input type="text" value="0"/>	gm WEIGHT
<input type="text" value="2"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/>	SHAPE: 1 = OBLATE 2 = OVAL 3 = ROUND 4 = ELONGATE-CYLINDRICAL 5 = SPINDLE 6 = ACORN				
	SURFACE: 1 = SMOOTH 2 = NETTED 3 = CORRUGATED 4 = WARTED				
	BLOSSOM SCAR: 1 = OBSCURE 2 = CONSPICUOUS				
	RIBS: 1 = ASSENT 2 = PRESENT				
<input type="text" value="0"/>	NO. RIBS PER FRUIT	<input type="text" value=""/>	mm RIB WIDTH AT MEDIAL	RIBS: N/A 1 = SMOOTH 2 = NETTED	
	SUTURES:		N/A		

- |  |  |
|--|--|
| <input type="text" value="4"/><br><input type="text" value="2"/><br><input type="text" value="3"/> | 1 = SHALLOW (GOLDEN DELIGHT) 2 = MEDIUM 3 = DEEP (HACKENSACK) 4 = NO SUTURES - SEE EXHIBIT D r/s 4/6/82            |
|  | 1 = SMOOTH 2 = NETTED  |
|  | SHIPPING QUALITY: 1 = POOR (HOME GARDEN) 2 = FAIR (SHORT DISTANCE SHIPPING) 3 = EXCELLENT (LONG DISTANCE SHIPPING) |

- FRUIT ABSCISE: 1 = WHEN RIPE 2 = WHEN OVERRIPE 3 = DO NOT ABSCISS

## 7. RIND NET:

3	
2	32 DISTRIBUTION: 1 = ABSENT 2 = 1 SPARSE = SPOTTY 3 = 2 ABUNDANT = COVERS ENTIRE FRUIT
2	COARSENESS: 1 = FINE 2 = MEDIUM COARSE 3 = VERY COARSE
3	INTERLACING: 1 = NONE 2 = SOME 3 = COMPLETE
2	INTERSTICES: 1 = SHALLOW 2 = MEDIUM DEEP 3 = DEEP

## 8. RIND TEXTURE:

 CI 2 1 = SOFT 2 = FIRM 3 = HARD **m 0 5** mm THICKNESS AT MEDIAL

## 9. RIND COLOR (AT EDIBLE MATURITY):

 COLORS: (SELECT TWO WHEN NECESSARY, i.e., CREAMY YELLOW **0 2 0 4**)

 01 = WHITE 02 = CREAM 03 = BUFF 04 = YELLOW 05 = GOLD 06 = GREEN 07 = ORANGE 08 = BRONZE  
 09 = BROWN 10 = GRAY 11 = BLACK 12 = OTHER (Specify) \_\_\_\_\_

0	2	0	4	PRIMARY COLOR
1	0	0	3	NET COLOR

				MOTTLING COLOR	N/A
				FURROW (SUTURE) COLOR	

## RIND COLOR (AT FULL MATURITY)

0	5	0	4	PRIMARY COLOR
1	0	0	3	NET COLOR

				MOTTLING COLOR	N/A
				FURROW (SUTURE) COLOR	N/A

## 10. FLESH (AT EDIBLE MATURITY):

 COLORS: (SELECT TWO WHEN NECESSARY, i.e., CREAMY YELLOW **2 3**)

 1 = WHITE 2 = CREAM 3 = YELLOW 4 = GREEN 5 = ORANGE 6 = SALMON 7 = PINK  
 8 = OTHER (Specify) \_\_\_\_\_

6	5	COLOR NEAR CAVITY	<b>6</b> <b>5</b>	COLOR IN CENTER	<b>6</b> <b>5</b>	COLOR NEAR RIND
1	1	REFRACTOMETER % SOLUABLE SOLIDS (CENTER OF FLESH)				
1	0	% SOLUABLE SOLIDS FOR CHECK VARIETY (Specify variety <u>Imperial 45 ECS</u> )				
2		AROMA: 1 = ABSENT 2 = FAINT 3 = STRONG				
2		FLAVOR: 1 = MILD 2 = SOMEWHAT SPICY 3 = VERY SPICY				

## 11. SEED CAVITY:

	8	6	mm LENGTH	<b>5</b> <b>2</b>	mm WIDTH
1			SHAPE IN X-SECTION: 1 = CIRCULAR 2 = TRIANGULAR		

## 12. SEEDS:

5	3	3	NO. PER FRUIT	9m P <b>5</b> R <b>2</b>	1, 0 0 0
---	---	---	---------------	--------------------------	----------

## 13. DISEASE RESISTANCE \* (0 = UNTESTED, 1 = SUSCEPTIBLE, 2 = RESISTANT)

0	BACTERIAL WILT	0	ROOT ROT	2	CROWN BLIGHT	0	MELON RUST
2	POWDERY MILDEW	0	VERTICILLUM WILT	2	SULPHUR BURN	0	SCAB
0	WATERMELON MOSAIC	1	DOWNY MILDEW	1	FUSARIUM WILT	0	ROOT KNOT (NEMATODE)
0	ANTHRACNOSE	0	CUCUMBER MOSAIC	0	SQUASH MOSAIC		OTHER _____
					OTHER _____		OTHER _____

14. INSECT RESISTANCE: (0 = UNTESTED, 1 = SUSCEPTIBLE, 2 = RESISTANT)

<div>0</div>	APHID	<div>0</div>	PICKLE WORM	<div>0</div>	DARKLING GROUND-BEETLE	<div>0</div>	BANDED CUCUMBER BEETLE
<div>0</div>	MITE	<div>0</div>	WESTERN SPOTTED CUCUMBER BEETLE	<div>0</div>	MELON LEAFHOPPER	<div></div>	OTHER (Specify)
<div>0</div>	MELON WORM	<div>0</div>	WESTERN STRIPED CUCUMBER BEETLE	<div>0</div>	MELON LEAFMINER		

15. NAME A VARIETY THAT MOST CLOSELY RESEMBLES THAT SUBMITTED FOR THE FOLLOWING CHARACTERISTICS:

CHARACTER	VARIETY	CHARACTER	VARIETY
DAYS MATURITY	PMR 45 (S12 Strain)	FRUIT SHAPE	PMR 45 (ECS Strain
PLANT VIGOR	"	RIND COLOR	"
PLANT HABIT	"	FLESH AROMA	"
FRUIT NETTING	Top Mark	FLESH FLAVOR	11
FRUIT SIZE	PMR 45 (ECS Strain)	FLESH COLOR	"

16. ADDITIONAL INFORMATION AND COMMENTS: